Title (en)

Solenoid driving device and active vibration isolating support device equipped with the same

Title (de)

Magnetantriebsvorrichtung und diese benutzende aktive schwingungsisolierende Trägervorrichtung

Title (fr)

Dispositif de commande à solénoïde et dispositif de support d'isolation de vibration active équipé avec celui-ci

Publication

EP 2234125 B1 20140108 (EN)

Application

EP 10157893 A 20100326

Priority

- JP 2009079415 A 20090327
- JP 2009122853 A 20090521

Abstract (en)

[origin: EP2234125A2] A solenoid driving device with excellent electric power efficiency which drives and controls an actuator including a solenoid and an active vibration isolating support device with excellent electric power efficiency which includes the solenoid driving device are disclosed. The solenoid driving device includes a booster circuit 120 which boosts a battery voltage, and driving circuits 121A, 121B which an actuator with the electric power supplied and boosted by the booster circuit 120. ACM_ECU200A including a micro computer 200b calculates the magnitude of the vibration of the engine, an engine vibration cycle and a phase lag to obtain the drive frequency f DV of the actuator in the vibration state estimating unit 234 and the phase detecting unit 235. A booster circuit controlling unit 237 of the micro computer 200b determines the target voltage V*based on the drive frequency f DV . The target voltage V* is input to the booster circuit 120, and the booster circuit120 supplies the required electric power to the driving circuits 121A, 121B at the target voltage V*.

IPC 8 full level

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CPC (source: EP US)

F16F 13/26 (2013.01 - EP US); **H01F 7/18** (2013.01 - EP US)

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